Scoul Report sent out	
Plated in the NID File	
Intelligen map pinned	
Approval or Disapproval Letter	
Date Completed, P. & A. or Compressions suspended	
Min changed on location map	G C
Affidavit and Record of A & P	
Water Shut-Off Test	
Gas-Oil Ratio Test	
Well Log Filed	
Started Injecting as	Df 5-22-64
FILE NOTATIONS	
Entered in N1D File	Chested by Chief
open of the Shoot	Copy NID to 71 ld Office
Lo of the Man Planed to the many	Appeared Mar
[WR Is State on Food Load Section 12]	
The Report of the Control of the Con	
Date Well 3-5-58	Location inspected
OV WW TA	Bond related State of Fee Land
LOGS F	ILED
Driller's Log. 3-2/-58	
Electric Logs (No.)3	
E E-1	GR GR.N Micro
Lat Mi-L Soni	C



(SUBMIT IN TRIPLICATE)

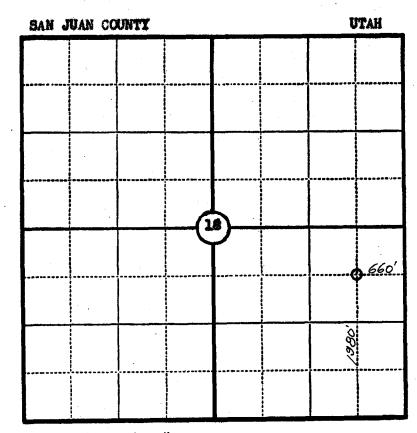
	Budget Bureau No. 42–R35 Approval expires 12–31–60.
Indian	Agency Navaje

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Allottee	Tribal
Lease No.	14-20-603-355

GEC	OLOGICA	L SURVEY		Lease No.	-20-603	-355
SUNDRY NOTICES	AND	REPOR	TS O	N WELLS	8	
NOTICE OF INTENTION TO DRILL	s	UBSEQUENT REPOR UBSEQUENT REPOR UBSEQUENT REPOR	T OF SHOOT	ING OR ACIDIZING		
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO PULL OR ALTER CASING	s	UBSEQUENT REPOI UBSEQUENT REPOI UPPLEMENTARY W	RT OF REDRI	LLING OR REPAIR.		
NOTICE OF INTENTION TO ABANDON WELL	_		•			
Desert "A" Well No. 6 is located 1980 ft		line and		January E line		
18/4 SE/4 Sec. 18 Als (4 Sec. and Sec. No.) (Twp.)	241 (Rang	8.	L.M.			
	Juan	•	•	Itah	•	
(Field) (Co	unty or Subdi	ivision)	· · · · · · · · · · · · · · · · · · ·	(State or Territo	ry)	-
The elevation of the little half the above see		4777 _{ft.}				
State names of and expected depths to objective sands; sho ing points, and	w sizes, weig	hts, and lengths of portant proposed	proposed ca work)	sings; indicate mu	dding jobs, o	:ement-
prill 17-1/4" hole to appropries and cement to surface. 8-5/8" casing and cement to of approximately 58001, run 600 sacks. Complete in Para	surface 5-1/2"	oasing and	1-7/87 }	icle to tot	al dept	ih.
				e sa t	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
I understand that this plan of work must receive approvements of the company Phillips Petroleum Company		by the Geological	Survey befo	re operations may	be commen	ced.
Address 1200 Denver Club Buildin	35 .					
Denver 2, Colorado		Ву_	1	M. Sohul		
		$Title_{-}$	Div	rision Supe	rinten	lent

Comp	enyPHI	LLIPS P	etrolku	M COMPAN	Y	•••••	••••
Lease	DESERT	3 *		••••••	Well	No	*****
Sec	18	, _{T.} 41	S.	, R 24	e, s	. L. N.	·••••
Locati	on. 1980 THE	FROM 'EAST LI	THE SOU	TH LINE	and 6	60' FRO	1
Flores	tion 4777	.o ung	RADED G	ROUND.			



Scale-4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

	James P. Keoce	
Seal:	Registered Land Surveyor. 29mes P. Leese Utah Reg. No. 1472	
Surveyed	23 October 19	57

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

January 20, 1958

Phillips Petroleum Company 1200 Denver Club Building Denver, Coloredo

Attention: W. M. Schul, Division Superintendent

Gentlemen:

This is to asknowledge receipt of your notice of intention to drill Well No. Desert A-6, which is to be located 1980 feet from the south line and 660 feet from the east line of Section 18, Township 41 South, Range 24 Mest, SLEM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FRIGHT SECRETARY

CBF: en

oc: Phil McGrath

USGS, Farmington,

New Mexico

Form 9-331 b (April 1952)						

_	-	1	~10	77D 2

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency	Ravajo
***************************************	~~~~~
Allottee	bal

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF.
	11
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

		Degree	er, Colorado	February 6,	195
Well No is loca	ated 1960 ft. f	$\operatorname{rom} \left\{ \begin{array}{c} \mathbf{N} \\ \mathbf{S} \end{array} \right\}$ line	andft. from	$\{E\}$ line of sec.	.10
(% Sec. and Sec. No.)	AJS	248	(Meridian)		
(34 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)		
Ratherford	San Juan		Ilkal	à	
(Field)	(Count	ty of Subdivision)		tate or Territory)	
grou	end.				

The elevation of the desired above sea level is ATTL ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 17% hole at 7:00 p.m. 2-3-58. Drilled to 175'. Ran 13-3/8" OD 27.1/Armoo S. SJ casing set at 175' RKB and comented with 175 macks regular coment. Pumped plug to 155', coment circulated. WOC 24 hours, tested casing with 500/for 30 minutes, held CK.

I understand	that this plan of work must receive approval in writing b	y the Geological Survey before operations may be commenced.
Company	Phillips Petroleum Company	
Address	1200 Denver Club Building	
	Denver 2, Colorado	By Milkefield
		By W. M. Schul Title Division Superintendent

n 9-3 pril 19		
		1
 	i	ī



(SUBMIT IN TRIPLICATE)

-	FT	Approve	d expires 12-31-60.
M	Indian	Agency	Barraja

UNITED STATES	0
DEPARTMENT OF THE INTER	IOR
GEOLOGICAL SUDVEY	

Allottee	Tribal
Lease No	14-20-603-355

			1 (1			1
NOTICE OF IN	NTENTION TO DRILL		SUBSEQUEN	REPORT OF WATER	SHUT-OFF	
1	NTENTION TO CHANGE P		SUBSEQUENT	REPORT OF SHOOT	ING OR ACIDIZING	
	NTENTION TO TEST WATE		1		ing casing	
1	NTENTION TO REDRILL C		1 1		LLING OR REPAIR	
	NTENTION TO SHOOT OR				ONMENT	
1	NTENTION TO PULL OR A NTENTION TO ABANDON	i	SUPPLEMEN	TARY WELL HISTORY	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
	(INDICAT	E ABOVE BY CHECK MARK		t, notice, or other	Pobruszy 13.	, 19.
Well No	is local and Sec. No.)	ated1960t. fr	rom S line ar	nd 640 ft. fr	$\operatorname{rom}\left\{ egin{array}{c} \mathbb{E} \\ \mathbb{W} \end{array} \right\}$ line of second	c. 18
Batharfor	(Field)	County	y or Subdivision)	U	(State or Territory)	
The elevation	on of the derrick	floor above sea le	evel is .4790	ft.		
		DETA	ILS OF WOR	RK.		
		- hisati-a samda salsawat				
(State names of	f and expected depths to	ing points, and all	izes, weights, and le other important pr	ngths of proposed ca oposed work)	sings; indicate mudding j	obs, cement
Drilled to with 167 3336 Tuf to 1531' 8-5/8" ca after 4 h hold. Re ploted 11	to 1565'. Ron eacks regular Plug, 246 Flo et 7:35 p.m. saing and rece cours, non 1° recemented by p	6-5/8" (D) 244 cement, 63 (cele, follower 2-6-58. Cement mented wit 1; pipe to 90', 1 curing 3 sector	# J-55 casis sacks Diace of with 100 of the tid not of the tid not of the tide of	ng set at 1 1 "p", 3156 sacks neet circulate. gular cemen with 55 sac e of 8-5/6"	S64 RKR. Come calcium chlor calcium chlor carent. Pumpe carent circ casent circ casing. Job casing with 900 ca	ented ide, d plug utside ulated. 20° and
Drilled to vith 167 3339 Tuf to 1531' 8-5/8" cs Stor 4 h hold. Re gl/cted 11 30 sinute	to 1565'. Ron seeks regular Plug, 246 Flo at 7:35 p.m. seing and rece cours, ran 1" recemented by p 1:00 p.m. 2-7-	6-5/8" © 24 cement, 63 cement, 63 cement 2-6-58. Cement cented wit 1 pipe to 90', 1 curing 8 sector 58. Tested bi	J-55 casis sacks Diace d with 100 nt did not 75 sacks re recemented a on outsid lowout prev	ng set at 1 1 "p", 3150 sacks neet o circulate. gular cemen with 55 sac s of 8-5/8" sater and co	Soi RER. Com calcium chlor cezent. Pumpe Em 1" pipe o t. cezent circ ce, filled to cesing. Job	ented ide, d plug utcide ulated. 20' and com-
Drilled to with 167 3335 Tuf to 1531' 8-5/8" os Ster 4 h hold. Se gl/sted 11 30 simute	to 1565'. Ron sacks regular Plug, 24 Flo at 7:35 p.s. saing and roce cours, ran 1" commented by p 1:00 p.m. 2-7- ss, held 0K.	6-5/8" © 24 cement, 63 cement, 63 cement 2-6-58. Cement cented wit 1 pipe to 90', 1 curing 8 sector 58. Tested bi	J-55 casis sacks Diace of with 100 on the 10	ng set at 1 1 "p", 3150 sacks neet o circulate. gular cemen with 55 sac s of 8-5/8" sater and co	calcium chlor calcium chlor casent. Pumpe Fan l'pipe o t. cesent circ ce, filled to casing. Job asing with 900	ented ide, d plug utcide ulated. 20' and com-
Prilled to with 167 3335 Tuf to 1531 8-5/8" cs From 4 held. Replicted 11 30 simute	to 1565'. Ren eacks regular Plug, 246 Flo et 7:35 p.m. esing end rece cours, ren 1° recenented by p 1:00 p.m. 2-7- es, held 0K.	6-5/8" © 24 cement, 63 cele, followed 2-6-58. Cement mented wit 1 pipe to 90', 1 curing 3 sacks 58. Tented by	J-55 casis sacks Diace with 100 int did not in 75 sacks recemented in outside lowout previous in writing by the Gentle W	ng set at 1 1 "p", 3150 sacks neet o circulate. gular cemen with 55 sac s of 8-5/8" sater and co	calcium chlor calcium chlor casent. Pumpe Fan l'pipe o t. cesent circ ce, filled to casing. Job asing with 900	ented ide, d plug utcide ulated. 20' and com-
Prilled to with 167 3335 Tuf to 1531' 8-5/8" os Ster 4 h held. Se gl/sted 11 30 simute	to 1565'. Ren eacks regular Plug, 246 Flo et 7:35 p.m. esing end rece cours, ren 1° recenented by p 1:00 p.m. 2-7- es, held 0K.	6-5/8" © 24 cement, 63 cement, 63 cement, 63 cement, 63 cement of 12 pipe to 90', 1 curing 3 sacks 58. Tested by must receive approval in troleum Compan	J-55 casis sacks Diace with 100 int did not in 75 sacks recemented in outside lowout previous in writing by the Gentle W	ng set at 1 1 "p", 3150 sacks neet o circulate. gular cemen with 55 sac s of 8-5/8" sater and co	calcium chlor calcium chlor casent. Pumpe Fan l'pipe o t. cesent circ ce, filled to casing. Job asing with 900	ented ide, d plug utcide ulated. 20' and com-

PHILLIPS PETROLEUM COMPANY

Denver 2, Colorado

March 3, 1958

71/H 3-10

Mr. Cleon B. Feight Secretary Utah Oil & Gas Conservation Commission State Capitol Building Salt Lake City, Utah

Dear Mr. Feight:

Attached you will find two copies of each of the following logs run on Phillips Petroleum Company - Aztec Oil and Gas Company's Desert "A" #6, San Juan County, Utah.

- 1. Schlumberger Induction-Electrical Log
- 2. Schlumberger MicroLogging

Very truly yours,

PHILLIPS PETROLEUM COMPANY

W. M. Schul

Division Superintendent

CCK:1b

Attachments

(A)	n 9-8 pril 19	531 D 52)	

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Ag	Navajo

Allottee _	Tribal
Looss No	14-20-603-355

7 C T	T	C	71	/	K	

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	 SUBSEQUENT REPORT OF WATER SHUT-OFF	<u> X</u>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	 SUBSEQUENT REPORT OF ALTERING CASING.	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	 SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	 SUBSEQUENT REPORT OF ABANDONMENT.	
NOTICE OF INTENTION TO PULL OR ALTER CASING.	 SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

		Denver,	Colorado	March 4,	<u>, 19 58</u>
Desert "A" Well No6 is located	ted 1980 ft. fr	rom ${N \atop S}$ line	and 660 ft. f	$\operatorname{rom} \left\{ \frac{E}{W} \right\}$ line of se	ec. 18
NE/4 SE/4 Sec. 18	418	24E	S.L.M.		
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)		
Ratherford	San Juan		Ut	ah	
(Field)	(Count	y or Subdivision)		(State or Territory)	

The elevation of the derrick floor above sea level is 4790 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled to 5785. Ran 5-1/2" OD 14# and 15.5# J-55 casing set at 5780° RKB. Cemented with 555 cu.ft. 40% Diacel "D" with 4% calcium chloride blend. 132 sacks regular cement, 100 sacks Diacel "D", 500# calcium chloride. Pumped plug to 5746° at 4:50 p.m. February 28, 1958. WCC 24 hours, tested casing with 500# for 30 minutes, held 0K.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address 1200 Denver Club Building

Denver 2, Colorado

By

W. M. Schul

Title Division Superintendent

PHILLIPS PETROLEUM COMPANY

1200 Denver Club Building Denver 2, Colorado

March 6, 1958

Mr. Cleon B. Feight Secretary Utah Oil & Gas Conservation Commission State Capitol Building Salt Lake City, Utah

Dear Mr. Feight:

Attached you will find two copies of the following log ran on Phillips Petroleum Company - Aztec Oil and Gas Company's Desert "A" #6, San Juan County, Utah.

1. Lane Wells Radioactivity Log.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

W. M. Schul

Division Superintendent

CCK:1b

Enclosures

Form 9-330

ı				

U. S. LAND OFFICE Navajo
SERIAL NUMBER 14-20-603-355
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

				LO	G OF	OIL OR (GAS W	ELL
		CORRECTLY						,
Compa	Pni anv Azt	llips Pet	roleum C Gas Co.	io. -	Addra	1200 Den v e 25 Denver 2,	er ciuo si Colorado	.ag.
		Desert "				Ratherford		
						M. Co		Juan
Location	on .1980	\mathbf{ft} . $\{\mathbf{c}_{\mathbf{c}}\}$ of $-\mathbf{c}$	Line ar	nd <u>bou</u> ft	$\left\{ \overline{W} \right\}$ of \overline{E}	Line of Secti	ron 18	Elevation 4790 (Derrick floor relative to sea level)
						ct record of the	well and all	work done thereon
2.0		letermined f	rom all av		cords. igned	Acomo la	hul	and the second second
		Ø 1050			_		rision Su	nemint endent
			and the second second	3. 3. 3.	A 5	a di ingana di Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabup	하다.	perintendent
	416 41 4			100		ll at above date.		ima pegét
Comme	enced drill	\mathbf{r}	ebruary	3 , 19	58 Finis	hed drilling	March 2	, 19. 58
>	*				S SANDS			
			ge.j <u>rc</u>	(L	Denote gas by G		AMPOLIS I	in the state of th
						, from		
No. 2,	from		- to	<u> </u>	No. 5	, from	to	
No. 3,	from		_ to	1	No. 6	, from	to	
		48			NT WATER		The state of the s	7 g
No 1	from			 *** * 1.5 		, from		1.
					** 11			the state of the s
No. 2, 1	irom		to	•	the state of the state of	, from	то:	
<u> </u>	· · · · · · · · · · · · · · · · · · ·		1	CAS	ING RECO	RD	<u> </u>	<u> </u>
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To— Purpose
12_3/8	" 27.1#	SJ	Armco	1601	Baker			
,	1124#	8H	J-55	1581		cassi nasis, socitivi		
		8R	J-55	2301	Baker			, 5656-64, 5673-
-5-1/2	n 14#	8R	J-55	55561	100 JAPO 007	To prove the Section	5707-12,	5718-28. Product
				Saidhine Li		(2-90) - 14.W4.W	**** #\$60.24_ 0 A	Table of the carlor
			BATTED	INIC AND	CERCENTE	NC PECOPP	<u> </u>	
			MODD	ING ANL	CEMENT	ING RECORD		
Size casing	Where set	Numb	er sacks of cen	nent	Method used	Mud gravity	Amo	unt of mud used
casing	<u>i</u>	Numb	er sacks of cen	nent		Mud gravity	Amo	unt of mud used
Size casing 8-3/8"	Where set	Numbe		nent	Method used Circ. Howco	Mud gravity	Amo	unt of mud used

PLUGS AND ADAPTERS

Length

Depth set

Heaving plug—Material

Adapters-Material....

Explosive used Quantity Depth shot Depth cleaned out Date

Shell used TOOLS USED Rotary tools were used from ______feet to _____feet, and from ______feet to _____feet Cable tools were used from ______ feet to _____ feet, and from _____ feet to _____ feet DATES March 18, 1958 Put to producing March 5, 19 58 The production for the first hours was 162 barrels of fluid of which 100 % was oil; _____% Gravity, °Bé. 42 emulsion; _____% water; and _____% sediment. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in. 420# **EMPLOYEES** Moran Bros., Inc. Driller

FORMATION RECORD

15 24 2355 2418 2562 2655 2820 4060 4563 5560	2355 2418 2562 2655 2820 4060 4573 5560 5785	831 69 144 93 165 1240 513 997 225	Chinle Shinarump Moenkopi Hoskinini De Chelly Organ Rock Rico Upper Hermosa Paradox	

SHALLON RELOMP - Continue?

AND OR PUBLICATIVE OF PROBLEM

MAR 2 1 1959

BANGE & CO.

And the second of the second								and the second of the second o
g (M)	1 5 60% 25 25 55	j w	ong ri ji mg	- ជួបអ	1 (38 gr) 355	eço i , yeştiy	0.8404	Books all street cut
	o bar arman ar aras a	re e terrique	្រាក់ សេក្សាសាលា នេះគេ។ ស្តីទំនិង		NG MUCO)5D		Control of the Contro
gabena-y _t r	-5140)			(31x)		andre e diametrosia i		en e
-Ro CBmaan	Via (eria)			<u>i</u> ro;	egr	CONTRACTOR CONTRACTOR	- 15 ^{3/3} 1	prase or or or or or or or
			PLU	C2 774	O VOVA	LENG		and the second seco
			em en la transfera	1				and the second s
	3				radada Maraga		ļ	
		3.75 	: }	1.7				ing and the second seco
Man Maner		No. 25the one	्ट अयु ८,५३,४४ छ। ह	S/d	म्बरूपान् स्थापन	হ্রণত ক্ষিত্র	31	Amount of tout med
y amand an an aan aa w	i li ili marini di suna	ni timus ilizanis Na	CONTRACTOR OF	TAD (ec sacoi	r simila ili nongri. S O	

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded at 7:00 P.M. February 3, 1958. Drilled to 175, ran 13-3/8" OD 27.1# Armco SW SJ casing set 175' RKB and cemented with 175 sacks regular cement. Pumped plug to 155', cement circulated. WOC 24 hours, tested casing with 500# for 30 minutes, held OK. Drilled to 1565t, ran 8-5/8" OD 24# J-55 casing set at 1564 RKB. Comented with 167 sacks regular cement, 63 sacks Diacel "D", 315# calcium chloride, 333# Tuf Plug, 84# Flocele, followed with 100 sacks neat cement. Pumped plug to 1531'. Ran 1" pipe outside 8-5/8" casing and recemented with 175 sacks. After 4 hours, ran 1" pipe to 90' and recemented with 55 sacks, filled to 20' and held. Poured 8 sacks cement on outside of 8-5/8". Job completed 11:00 P.M. February 7, 1958. Tested blowout preventer and casing with 900# for 30 minutes, held 0K. Drilled to 5785', ran 52" OD 14# and 15.5# J-55 casing set at 5780! RKB. Comented with 132 sacks regular coment, 100 sacks Diacel "D", 500# calcium chloride. Pumped plug to 5746' at 4:50 P.M. February 28, 1958. WOC 24 hours, tested casing with 500# for 30 minutes, held OK. Went in with tubing and bit, checked depth 5743. Perforated with Lane-Wells kone shots, 4 shots per footy 5569-82', 5656-64', 5673-95' 5797-12", 5718-28'. Acidized with 6000 gallons Dowell regular 15% acid. Maximum treating pressure 3400#, minimum 2000#. Flushed with 35 barrels oil. Average treating rate 5.5 barrels per minutes. Swabbed 2 hours, kicked off and flowed 1 hour to pits to clean up. Flowed to tanks 4 hours, 162 barrels oil on 3/4" choke. Opening tubing pressure 270#, final 420#. Producing rate :971 cBOFD and GOB n732 com up example a section

The hall marken given herewill, is a complete cost record of the grolf andralt work dead thereon County San Line and County to the Cine of STRAGOLD CAPPER GRADIL TO THE SECTION rog of oil or eas well

AROPOGICAL SUBTER DEEVELVENT OF THE INTERPOR AMULE CLIME

TAKE OF THEMIN TO PROSEED

2 (12%), (a. N. 1. 4%), (b. 1. 18. 18. 14.) Poyur olgifere (1%) (b. 1

MAR 2 1 1958





PHILLIPS PETROLEUM COMPANY P. O. Drawer 1150 Cortez, Colorado

June 1, 1964

1112

Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City 11, Utah

Attention: Mr. Cleon s. reignt

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

Old Well No.	New Well No.	Date Converted	Injection Rate	Injection Pressure
29-21	2 9w 21	5-24-64	3365 BWPD	Va c u um
18-43	18 W 43	5-27-64	2183 BWPD	Vacuum

Very truly yours,

6mBales

PHILLIPS PETROLLUM COMPANY

C. M. Boles

Area Superintendent

bh

U.

Form approved.

(May 1963)		(Other instructions on a		1 No. 42-R142
DEPAR	TMENT OF THE INTE GEOLOGICAL SURVEY	RIOR verse side)	5. LEASE DESIGNATION A	AND SERIAL NO
SUNDRY NC (Do not use this form for pro-	OTICES AND REPORTS posals to drill or to deepen or plu ICATION FOR PERMIT—" for suc	S ON WELLS ug back to a different reservoir. th proposals.)	6. IF INDIAN, ALLOTTEE	OR TRIBE NAM
OIL GAS OTHER	Water Injection		7. UNIT AGREEMENT NAM	AR
2. NAME OF OPERATOR	Petroleum Company		8. FARM OR LEASE NAM.	_
3. ADDRESS OF OPERATOR	. Dreser 1150, Corte	ez, Colorado	9. WELL NO.	
4. LOCATION OF WELL (Report location See also space 17 below.) At surface			10. FIELD AND POOL, OR Greater Ameth	
1980' from So NE SE Sec. 18	outh Line, 660' from	East line	11. SEC., T., R., M., OR BI SURVEY OR AREA	
14. PERMIT NO.	15. ELEVATIONS (Show whether	r DF, RT, GR, etc.)	12. COUNTY OF PARISH	13 STATE
6. Check A		Nature of Notice, Report, or	Other Data	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 17. DESCRIBE PROPOSED OR COMPLETED OF	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	Completion or Recon	its of multiple completion of appletion Report and Log form	n Well
5-27-64. Changed Well Number from 18 5-27-64.	vell Classification : 3-43 to 18:43 due to	for water injection. from Oil Well to Water conversion to Water I Field, Paradox format	Injection Well of	and Septive
27 BOPD, 80 MCFGFD, Present Injection R	•			
	GEGT 4259 BYPJ STET	vacuum through 26/64"	choke.	
	COLUMN COL	vacuum through 26/64"	choice,	
	CHECK COAN TRADE	vacuum through 26/64"	choke,	
	THE COLD STREET	vacuum through 26/64"	choice.	
		Area Supt.	pate 6-23	-64
18. I hereby certify that the foregoing	g is true and correct		4.02	-64

Form 9-331 (May 1963)

DEPARTMENT OF THE INTERIOR Verse side)

ATE*

OTHER OF THE INTERIOR Verse side)

Form approved.

	Budget	Bureau	No.	42-R	142
5.	LEASE/DESIGN.	ATION A	ND S	ERIAL	NO.

	14-20-603-355			
SUNDRY NO (Do not use this form for propuse "APPLIC"	6. IF INDIAN, ALLOTTEE Navajo Tribe	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO Tribe		
OIL GAS WELL GAS	7. UNIT AGREEMENT NAMES NO. 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			
	Petroleum Company		8. FARM OR LEASE NAM. Ratherford Un 9. WELL NO.	
3. ADDRESS OF OPERATOR	O. Drawer 1150, Cortez	, Colorado	18/43	
4. LOCATION OF WELL (Report location See also space 17 below.) At surface	clearly and in accordance with any S	tate requirements.*	10. FIELD AND POOL, OR	
1980' from S NE SE Sec. 18	outh Line, 660' from E	awt Line	11. SEC., T., R., M., OR B. SURVEY OR AREA 18-419-24E, S	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, 1	RT, GR, etc.)	12. COUNTY OR EXPLOSE San Juan	13. STATE
16. Chark A	Appropriate Box To Indicate No	ature of Notice. Report, or	Other Data	
NOTICE OF INT			QUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	BLL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	SING
SHOOT OR ACIDIZE	ABANDON*	(Other) CONVERT WE	ABANDONMEN T to Water Infe	etien
REPAIR WELL (Other)	CHANGE PLANS	(Note: Report result	s of multiple completion operation Report and Log for	on Well
5-27-64. Changed Well Number from 195-27-64.	er. Hooked well up for Well Classification fro 3-43 to 18043 due to co n from Greater Aneth Fi , O B-PD.	m Oil Well to Water onversion to Water I	· Injection Well e Injection Well e	. and ffective
Present Injection	Rate: 2183 EWFD on vac	num through 26/64"	choke.	
18. I hereby certify that the foregoing SIGNED C. M. BOLL	elle minie	rea Supt.	DATE6-2°	3-64
(This space for Federal or State o	ffice use)		•	
APPROVED BY	ANY:		DATE	

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

FED STATES

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBMIT IN TRI

Form approved. Budget Bureau No. 42

ALTERING CASING

ABANDONMENT*

DEPARTMENT OF GEOLOGICA	THE INTERIOR (Other Instructions on re-	5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND (Do not use this form for proposals to drill or to use "APPLICATION FOR PER	REPORTS ON WELLS to deepen or plug back to a different reservoir. RMIT—" for such proposals.)	HAVAJO TYŽBO
OIL GAS WELL OTHER	Injection Well	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR THE LITE POLYMER	Company	8. FABM OR LEASE NAME Entirerford Unit
3. ADDRESS OF OPERATOR		9. WELL NO.
 LOCATION OF WELL (Report location clearly and in ac See also space 17 below.) At surface 		10. FIELD AND POOL, OR WILDCAT
1980' FBI4660' FEI,	Section 18	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
11. 12	s (Show whether DF, RT, GR, etc.)	12. COUNTY OR TARISH 13. STATE
16. Check Appropriate Bo	x To Indicate Nature of Notice, Report, or C	other Data
NOTICE OF INTENTION TO:	<u></u>	ENT REPORT OF:

REPAIR WELL (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

In attempt to increase water injection rate, treat well with 2000 gallows of 15% regular with 2 gallows of A-110 additive per 1000 gallons of said, 100% of 3-145, and 2000 gellows of 15% regular sold with 2 gallows of A-110 additive per 1000 gallone of acid.

Present Injection rates 1095 BVPD at 300.

		· · · · · · · · · · · · · · · · · · ·
18. I hereby certify that the foregoing is true and correct SIGNED	TITLE District Superintendent	DATE 10-13-65
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

May 1963)

DEPARTMENT OF THE INTERIOR (Other instructions verse side) GEOLOGICAL SURVEY

SUBMIT IN TRI

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

11-20-603-355 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Mavajo Tribe

SUNDRY NOTICES AND REPORTS ON WELLS

(:	Do not	use thi	s form Use	for proposa "APPLICAT	als to drill or to deepen or plug back to a different reservoir. TION FOR PERMIT—" for such proposals.)	_
VELL VELL	i i	GAS WELL		OTHER	Water Injection Wall	7.
 	OH OH	ED A BOD				1 8.

UNIT AGREEMENT NAME

51-1-4192

FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

10/13

10. FIELD AND POOL, OR WILDCAT

Greator Anoth Field 11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA

16-416-248, **AVE** SIN

1980' FBL: 660' FEL. Section 18

Drawer 1150, Cortes, Colorado LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

Millips Petroleum Company

12. COUNTY OF PARISHE 13. STATE

14. PERMIT NO.

3. ADDRESS OF OPERATOR

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4790' DP

San Juan

16.

Roy To Indicate Nature of Notice Report or Other Data

	Cue	ck Abbrobligie poxito i	naicale 14	igible of Itolice, Repoll, of	· •	ne. Daid
NOT	F INTENTION TO:	SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL ALTERING CASING
FRACTURE TREAT SHOOT OR ACIDIZE	X	MULTIPLE COMPLETE ABANDON*		FRACTURE TREATMENT SHOOTING OR ACIDIZING		ABANDONMENT*
REPAIR WELL (Other)		CHANGE PLANS		(Other) (NOTE: Report resu Completion or Reco	ılts o mplet	f multiple completion on Well tion Report and Log form.)
		man opposite (Clearly atata	all postinosi	t details and give pertinent dat	tea in	ncluding estimated date of starting

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In attempt to increase water injection rate, treat well with 2000 gallors of 15% regular with 2 gallows of A-110 additive per 1000 gallons of acid, 100% of J-1/5, and 2000 gellors of 15% regular acid with 2 gallons of A-110 additive per 1000 gallons of acid.

Present Injection rate: 1095 B/PD at 340%.

8. I hereby certify that the foregoing is true and correct SIGNED	TITLE District Superintendent	DATE 10-13-65
SIGNED CARDON POLOS	TITLE	
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

December 15, 1965

Phillips Petroleum Company Drawer 1150 Cortes, Coloredo

Gentlemen:

Upon checking our files we note that we have not received subsequent reports for the following wells:

MATHERFORD UNIT #9W21, Sec. 9, T. 41 S., R. 24 E.

Shoot or Amidiae

RATHERFORD UMIT #12-31, Sec. 12, T. 41 S., R. 23 E.

Perforate Ismay & Acidise

MATHERFORD UNIT #18W43, Sec. 18, T. 41 S., R. 24 E. Shoot or acidise

RATHERFORD UNIT #18W21, Sec. 18, T. 41 S., R. 24 K. Shoot or saiding

RATHERFORD UNIT #12W44, Sec. 12, T. 41 S., R. 23 E.

Shoot or seiding

RATHERFORD UNIT #21W41, Sec. 21, T. 41 S., R. 24 K.

Shoot or scidize

RATHERFORD UNIT #21W21, Sec. 21, T. 41 S., R. 24 R.

Shoot or ecidize

Phillips Petroleum Company Drawer 1150 Cortes, Colorado

RATHERFORD UNIT #15W23, Sec. 15, T. 41 S., R. 24 K,

Shoot or acidise

RATHERFORD UNIT #16W43, Sec. 16, T. 41 S., R. 24 E.

Shoot or acidize

Your attention to this matter will be greatly appreciated.

Very truly yours,

OIL & GAS COMSERVATION CONMISSION

APRIETTE R. HARSEN RECORDS CLERK

arb

Enclosures: OGCC-1b

In re: Ratherford Unit Monthly Operating Report January 1966

Page No. 3

Ratherford Unit 16W43 (Acid Job)

On January 19, 1966 acidized well through $2\frac{1}{2}$ have tubing and packer with 15,000 gallons 15% regular axid, 16,000 gallons fresh water, 400 gallons temporary block with 72 ball sealers in 3 stages as follows: First stage 5000 gallons 15% acid followed by 5000 gallons fresh water, 200 gallons block, 40 ball sealers. Second stage 5000 gallons 15% acid followed by 5000 gallons fresh water, 200 gallons block, 30 ball sealers. Third stage 5000 gallons 15% acid followed by 6000 gallons fresh water. Injectivity was 117 BMPD at 2520% before the treatment and 150 BMPD at 2450% following the treatment.

Ratherford Unit 18W43 (Acid Job)

On January 19, 1966 acidized well through 2½" tubing with Marlex liner and packer with 2000 gallons 15% regular acid, 250 gallons temporary block, and 2000 gallons 15% regular acid. Injectivity increased from 1081 BNPD at 480# before the treatment to 1638 BNPD at 490# following the treatment.

Ratherford Unit 21W41 (Acid Job)

On January 5, 1966 acidized well through 2" tubing and Marlex liner and packer with 15,000 gallons 28% acid, 15,000 gallons fresh water, and 1000 gallons salt plug in three stages as follows: First stage 5000 gallons 28% acid followed by 1000 gallons fresh water and 500 gallons salt plug. Second stage 5000 gallons 28% acid followed by 5000 gallons fresh water and 500 gallons salt plug. Third stage 5000 gallons 28% acid followed by 5000 gallons fresh water. Injectivity increased from 48 BUD at 2535# before the treatment to 798 BUPD at 2425# following the treatment.

ED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TELEP

Form approved.

6. IF INDIAN, ALLOTTED OR TRIBE NAME

_	(Other instruction	n re-	í		Duuge	. Dures	tu No.	42-D1464
	verse side)		5.	LEASE	DESIG	MOITA	AND SE	RIAL NO.
				د عد			مك شد عد	

SUNDRY NOTICE	S AND	REPORTS	ON	WELLS
---------------	-------	---------	----	-------

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.)

Herajo Tribe Water Injection Well OIL WELL GAS WELL 8. FARM OR IMASSENAME OTHER

NAME OF OPERATOR Phillips Petroleum Company

ADDRESS OF OPERATOR Drawer 1150, Cortes, Coloredo 81321

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1980' PSL4 660' FEL, Section 18

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 14. PERMIT NO. 4790' DF

10. FIRLD AND POOL, OR WILDCAT Greater Anoth Field

Ratherford But

12. COUNTY OF THE 13. STATE Utah San Juan

Ě

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOT	ICE OF	INTENTION TO:			SUBSEQUENT RÉPORT	OF	
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE	1	FRACTURE TREATME	NT	ALTERING CASING	L
SHOOT OR ACIDIZE		ABANDON*	"	SHOOTING OR ACIDI	zing 🌋 🚊 🗧	ABANDONMENT?	_
REPAIR WELL		CHANGE PLANS		(Other)	2 2 2 3 3 3	7 2 3 3 5	

Completion or Recompletion Report and Log form, 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated that of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Acidised well (1-19-66)

Addised Desert Greek through 29" tubing with Marlex liner and packer gallons 15% regular acid, 250 gallons Sol Block, followed with 2000 gallo regular acid. Overall treating rate 5.5 BM. Instantaments SIP injection.

Injected 1081 BMP9 at 480#. PREVIOUS INJECTION RATE:

Injected 1638 EWPD at 490%. PRESENT INJECTION RATES

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE	District	Superintend	lent		DÂ.	S P Contraction	2-7-66	
C. M. Pt. 61				, B. 5	3		100	String in the	
(This space for Federal or State office use)				i.l	1 6	3	ري د ي	· 13	
APPROVED BY	TITLE				ئاءُ اور پر	DÃ'	THI		
CONDITIONS OF APPROVAL, IF ANY:							, A		

Form 9-331 (May 1963)

TED STATES

Form approved. Budget Bureau No. 42-R1424.

DATE

DATE.

DEPARTMENT OF THE IN	NTERIOR (Other masses) 5. LEASE DESIGNATION AND SERIAL N
GEOLOGICAL SURV	
SUNDRY NOTICES AND REPO	ORTS ON WELLS
(Do not use this form for proposals to drill or to deepen of Use "APPLICATION FOR PERMIT—" for	or plug back to a different reservoir.
Use AFFINATION FOR FEMALE 10	or such proposals.) Navajo Tribe 7. Unit agreement name
OIL GAS OTHER Water Injection	
NAME OF OPERATOR	8. FARM OR LEASE NAME:
Phillips Petroleum	Company Ratherford Unit
ADDRESS OF OPERATOR	9. WELL NO.
Drawer 1150, Cortez	
LOCATION OF WELL (Report location clearly and in accordance we see also space 17 below.)	with any State requirements.* 10. Find and Pool, OF WILDCAT
At surface	11. SEC, T., E., M., OB BLE, AND
1980' FSL: 660' FEL.	L SUDVEV OD ADMA
	: 18-419-24E, BIN
4. PERMIT NO. 15. ELEVATIONS (Show wh	
47901 DF	Sart Juan Utah
Check Appropriate Box To Indi	icate Nature of Notice, Report, or Other Pata
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WALL
FRACTURE TRUAT MULTIPLE COMPLETE	FRACTURE TREATMENT SHOOTING OR ACIDIZING ABANDON MENT*
SHOOT OR ACIDIZE ABANDON* REPAIR WELL CHANGE PLANS	(Other)
(Other)	(Nors: Report results of multiple completion on Well Completion or Recompletion Report and Log form,)
. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all	pertinent details, and give pertinent dates, including estimated date of starting ace locations and measured and true vertical depths for all markers and zones p
nent to this work.) *	ace locations and measured and true vertical vegetation an manager and aones p
Acidized well (1-19-66):	
Antificed Desert Creak through 25" to	ubing with Marlex liner and packer with 2000
gallons 15% regular acid. 250 gallon	ns Sol Block, followed with 2000 gallons 15%
regular scid. Overall treating rate	e 5.5 BPM. Instantaneous SIP 3400%. Resumed
injection.	
PREVIOUS INJECTION RATE: Injected	1081 BWPD at 480%.
PRESENT INJECTION RATE: Injected L	638 BWPD at 490#.
LUBBING THUBBITON WITH THE AND ACC.	
	(1987年) · 1987年 - 1987年 - 1987年 - 1988年 - 19884 - 1988年 - 198
	- 1987年 - 19874 - 1987年 - 19874 - 198

TITLE

TITLE .

(This space for Federal or State office use)

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING **ROOM 4241 STATE OFFICE BUILDING** SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1 (Revised 1982)

SEAL

My commission expires

	(RULE	I-5 & RULE I-4)		
PHILLIPS PETROLEUM COM		_ CAUSE	NO	(B)
ADDRESS P.O. BOX 2920 CASPER, WYOMING INDIVIDUAL PARTNERSHIP X FOR ADMINISTRATIVE APPROVA INJECT FLUID INTO THE18W. SEC. 18 TWP. 41S SAN JUAN	AL TO DISPOSE OR 43 WELL	ENHANCI DISPOSAL LP GAS ST EXISTING		
	АР	PLICATION		
Comes now the applicate 1. That Rule 1-5 (g) (iv Gas storage operations 2. That the applicant s	r) authorizes adminis s.	strative approval of	ion the follow fenhanced rcc	ving: overy injections, disposal or LP
Ratherford Unit	Well No. 18W43	Field Greater	r Aneth	County San Juan
Location of Enhanced Recovery	_ Sec	8 <u> </u>	wp. 41S	Rge. <u>24E</u>
New Well To Be Drilled Yes □ No 🖸	Old Well To Be Conve		Casing Test Yes	8. No Date 5-83
Depth-Base Lowest Known Wingate Fresh Water Within ½ Mile 1550!	Does Injection Zone C Oil-Gas-Fresh Water	Contain Within ½ Mile YES 🎇	ио □	State What Oil & Gas
Location of Desert Creek F Injection Source(s) San Juan F	Paradox I & II River	Geologic Name(s) and Depth of Source		eek (5567') Juan River (Surface)
Geologic Name of Desert Cre	ek I & II +III	Depth of Injection Interval 5569	to 5728	
w. Tan of the Porfersted Interval.	569 b. Base of Fresh	Water: c. li	ntervening Thicks	ness (a minus b) 4019
Is the intervening thickness sufficient to without additional data?		protected YES NO	See A	Attachment #4
Lithology of Intervening Zones	See Attachment	#1		
Injection Rates and Pressures Collapsed Casing SD 6-11-71 The Names and Addresses of Those to N	Maximum Whom Notice of Application	on Should be Sent.		B/D PSI
Navajo Tribe, Minerals			Rock, AZ	86515
Superior Oil, P.O. Box	4530, The Wood?	lands, TX 773	80	
Texaco Inc., P.O. Box 2	100, Denver, CC	80201	<u></u>	
Southland Royalty, 1000	Fort Worth Clu	<u>ub Tower, Fort</u>	Worth, TX	76102
State of Wyoming)	PHILLIPS	PETROLEUM	1 COMPANY
County of Natrona Before me, the undersigned known to me to be the person whoath states, that he is duly auth therein, and that said report is tr	nose name is subscrib porized to make the c rue and correct.	ped to the above in above report and t	strument, wh	Stuart o being by me duly sworn on
Suscribed and sworn to be	efore me this NALD L. HUDSON - N	lotary Public X	anald =	J. Windson

My Commission Expires Nov. 3, 1986

County of

State of

Wyoming Notary Public in and for Natrona Co., Wyoming

FORM DOGM-UIC-1 (continued)

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to be surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRI	ING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	-	13 3/8	174.80	175	Surface	Returns
Intermediate		8 5/8	1564	330	Surface	Returns
Production		5 1/2	5779.98	232	5078	CALCULATED
Tubing		2 1/2	5493.72	Baker Mode	- Type - Depth of 1 A Tension P	Tubing Packer KR 5493.72
Total Depth 5785	Geolog Dese	jic Name - In rt Creek I.	i. Zone Depti	h - Top of Inj. Int 5569	terval Depth	- Base of Inj. Interval 5728

FORM	DO	SM-	UIC-2
(Rule	I-5	(b)	2
(Revi:	sed	19	82)

(To be filed within 30 do

14	-20	-60	3-	35	5

30 days after arilling is completed)	
JATUDAL DESCUIDCES AND ENERGY	LEASE NO.

	DEPARTME	ENT OF NATURAL RESOURCES AND ENERGY
API NO. 43-037-	16419	DIVISION OF OIL, GAS, AND MINING
Ari 110		n 40.43 E4-4- Office nuttiles

Room 4241 State Office Building

Salt Lake City, Utah 84114

TWP. 41S RGE. 24E COUNTY San Juantec 18 COMPANY OPERATING Phillips Petroleum Company OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE ZIP Wyoming 82602 _____ WELL NO. _______3 FARM NAME _

DRILLING STARTED 2-2 19 58 DRILLING FINISHED 3-2- 19 58DATE OF FIRST PRODUCTION 3-5-58 COMPLETED 3-5-58

WELL LOCATED SE & NE &

1980 FT. FROM SL OF ¼ SEC. & 660 FT. FROM WL OF ¼ SEC.

4790 GROUND _ RKB ELEVATION BERRICKFROOR

TYPE COMPLETION

Single Zone

Multiple Zone _

Comingled

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5569	5664			
Desert Creek II	5673	5712			
Desert Creek III	5718	5728			

CASING & CEMENT

	Co	sing Set		Cag. Test	Cement			
Size	Wgt.	Grade	Foot	Psi	Sax	fillup	Тор	
13-3/8	27.1	H-40	161.60	No test	175		Surface	
8-5/8	24	J-55	1801	900	330		Surface	
5-1/2	15.5	J-55	5767.54	500	232	700	5078	
				,				
PBTD 5	743				TOTAL D	EPTH 5	785	

PBTD 5743 **PACKERS SET**

TOTAL DEPTH

Baker Model A Tension PKR at 5493.72 NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6 COMPLETION & TEST DATA BY PRODUCING FORMATION

ORMATION	Des	ert Creek I	II. III	` '	
PACING & SPACING ORDER NO.		40 acre #C-3(B)	·		
CLASSIFICATION DISPOSAL WELL, ENHA RECOVERY, LP GAS ST	N ANCED	Enhanced			
PERFORATED	I	5569-5582	1 II 5718-28		
		5656-5664			
INTERVAL	II	5673-5695			
		5707-5712			
ACIDIZED?		2-4-66 4000 gal.			
		15% reg. acid			

INITIAL TEST DATA	Converted	to In	jector	5-2	9-64	
Date	5 -2 9-64		"			
Oil, bbl./day				——————————————————————————————————————	-	
Oil Gravity						
Gas, Cu. Ft./day		CF		CF		CF
Gas-Oil Ratio Cu. Ft./Bbl.					·	
Water-Bbl./day	2183				•	
Pumping or Howing	flowing					
CHOKE SIZE	26/64				ì	
FLOW TUBING PRESSURE	Vacuum		•		1,	

No

A record of the formations drilled through, and pertinent remarks are presented on the reverse. (use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complet
i, the discersioned, being first duly swom upon odin, state that this well fecold is frue, coffect and complet
according to the records of this office and to the best of my knowledge and belief.
according to the factors of this other and to the pest of MA Knowledge dud belief.

FRACTURE TREATED?

A.E. Stuart, Area Manager

Name and title of representative of company

Subscribed and sworn before me this _

DOWNHOLE SCHEMATIC

Date: 8/6/87

RATHER FORD Unit # 18W43 4791 RKB Elev. 4780' GL ELEU.

RKB Above GL'

LOCATION NE SE Sec. 18 T415- R24E Well Deld 3/2/58 Well Converted 5/27/64 to injector 5/27/64

CONDUCTOR CSC 13% 175'

85/8 @ 1564° Surface CSG.

TOC 4200'

11 '

Tubing @

PACKER____

PERFS 5569 - 82 5656 - 64

PBTO 57431

Production Csg. 5/2 @ 5780' J-55, 14#, 15.5#

All Perfs Zone I unless noteD

LOCATION: SENE Sect 8-4/5-24E	
LOCALION, DENE DICTO - 713 ATE	COMPLETION: 5.29.64
FIELD: GREATER ANETH RESERVOIR: Desert Creek I, II + III	PRESENT SIATUS: U.L.
PKB 4790' GL 4780.8' 174.8'	SURFACE CANNG: 133/8" 27./#
	INTERMEDIATE CASING: 85/8" 24#
1564'	PRODUCTION CASING: 51/2"/5.5#
TERFORATIONS:	
5707-12 5718-28	
	PACKER: Baker Model "A"
	PACKER: Baker Model "A" Tension Pkr @ 5493.72' Tubing: 21/2 @ 5493.72'
5493.2' X	
	5569-
	5569-
РВТD: <u>5743</u> ОТD: <u>5785</u> 57799	
	Phillips Petroleum Company

		·	A - 23 - E		R-24-E	The state of the s	- massa				es (Sun) (CC) — un risk til f els gre turpesport (Fri) myg	en south maken the state of the
			• +	•	**************************************	• •	-	(a)	•	• • • •	• •	
		+	⊕ • •	•		•	•	•	•	10	• • •	
T 4 1		• • • • +	• •	•	●●		•	•	•	• • •	••••	
	•	3.			•	20 ¥	••		•	•••	• • •	
		•	+		• • • • • • • • • • • • • • • • • • •	21		•	•			RATHERFORD UNIT SAN JUAN COUNTY, UTAN 2" = 1 wile RCT 3-83
					n-24-E	+	•	• •	•	••	3 8	oil producer water injector water supply domestic water plugged i abandoned shut in well unic boundry

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

perator: Philips wel	1 No. Ratherfal and 18W4
county: 5 am June 7 415 R 246	Sec. 18 API# 43-037-16419
ew Well Conversion Disposel Well	Enhanced Recovery Well
	YES NO
UIC Forms Completed	
Plat including Surface Owners. Leas and wells of available record	seholders,
Schematic Djagram	
Fracture Information	
Pressure and Rate Control	
Adequate Geologic Information	$\frac{\nu}{\rho}$
Fluid Source .	Desert Creek
Analysis of Injection Fluid	Yes No TDS 85655
Analysis of Water in Formation to be injected into	Yes TDS/0362
~ Known USDW in area	Wingate Depth 1550
Number of wells in area of review	Prod P&A _
	Water 1 Inj. 2
Aquifer Exemption	Yes NA
, Mechanical Integrity Test	Yes No L
i.	Date Type
Comments: Toc 5078	
MA	
Reviewed by:	

UTAH DIVISION OF OIL, GAS AND MINING CASING-BRADENHEAD TEST

OPERATOR:	Philli	p5 /1	trolp	um	- A - /+ -		
FIELD:	Attr A	neth	•-	LEASE:	KAther	ford	
WELL # /S	1W43			SEC <i>18</i>	_TOWNSHIP_	4//SRANGE	246
STATE FED. F	EE DEPI	H 5785	TYP	E WELL I	WW MAX.	INJ. PRESS.	·
5	-11-71 7/86		snd C	asing.			
CASING STRING		SET AT		PRESSURE READINGS	REMARKS		FUTURE
SURFACE	13/8	174	175		SI		
INTERMEDIATE	1.						
PRODUCTION	5/2	5779	232				
TUBING	21/2	5-493		Baker	Pacte		
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	12	FUTURE
SURFACE							
INTERMEDIATE					·		
PRODUCTION							·
TUBING							
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS		FUTURE
SURFACE							
INTERMEDIATE				,			
PRODUCTION							
TUBING							

Form 3160-5 (November 1983) (Formerly 9-331)		NITED STATES ENT OF THE INT	BURMIT IN TRIPLICATE (Other lastractions on rece side)		Bureau No. 1004-01 August 31, 1985 STATION AND SELLE DE
	BUREAU	OF AND MANAGEM	ENT	14-20	-603-355
4112	IDRY NOTIC	ES AND REPORT	S ON WELLS	6. IF HISLAN,	ALLOTTES OR TRIBE HAZ
		to drill or to deepen or p ON POR PERMIT—" for or		Noved	0 bent 85
	Um "APPLICATI	ON FOR PERMIT—" for or	ich proposisis.)	Navaj	-
OIL [7 GAB		ater Injection		T. UMIT AGENE	
L PARE OF OPERATOR	U 97E32 "	ater injection		SW-I-	
	s Oil Compa	nv		S. PARK OR LA	· · · ·
. APORESS OF OPERATO	-	···y		Kathe:	rford Unit
P. O. I	lox 2920 Cas	per, WY 82602		· • • • • • • • • • • • • • • • • • • •	18W43
LOCATION OF WELL (teport location clea	ly and in accordance with	any State requirements.	10. PIRLA AND	POOL, OR WILDCAT
See also space 17 bel At surface	-		•		Aneth
1980' F	'SL, 660' FE	(NE SE)	·	1	M., OR BLE. AND
				SOBARE (DE AREA
		·		Sec 18-	-T41S-R24E
43-037-1641		15. BLEVATIONS (Show whether	er DP, RT, GR. etc.)	12. COUNTY OR	PARISE 18. STATE
43-03/-1641	9	4792' RKB		San Juan	Utah
6 .	Charl Ann	anusta Bar Ta Indiani	- Natura of Nation D	<u> </u>	
			e Nature of Notice, Report, or	Other Data	
	ROTICE OF INTENTIO	. 10:	87341	IQUENT ENFORT OF;	
TEST WATER SEUT-O	PT PCL	OB ALTER CABING	WATER SHUT-OFF	2274	IRING WELL
PRACTURE TREAT		TIPLE COMPILETE	PRACTURE TREATMENT	ALTE	BING CASING
SHOOT OR ACIDISS		IDON*	SECOTING OF VCIDIZING		DONRBHI.
REPAIR WELL		NGE PLANE	(Other)	A	
(Other) Plug	back to Zon	e I	(Nors: Report resul Completion or Recom- neut details, and give pertinent date locations and measured and true verti-	piction Report and	letion on Well Log form.)
plugging back and returned A 10'x8'x6'	to Zone I wa to Zone I, to injectio	ter injection. the well will be no.	g and convert Ratherfor After repairing the col e acidized with 5000 ga ed on location in a pro the pit will be dried a	llapsed casi allons 28% H	ng and CL
5- BLM, Farmi 12- Utah O&GCC 1- P. J. Adam 1- B. Conner, 1- J. R. Weic 1- C. M. Ande 1- B. J. Murp	ington, NM C, SLC, Utah ason 318 B- TRW abbrodt		Property of the second		•
1- File RC			MAY 7 1 1985		
. I hereby certify they	he foregoing in true	and correct			
SIGNED	Then !	TITLE	Area Manager	DATE	5/24/85
APPROVED BY CONDITIONS OF API	con 5- les	1)	11 Monage	DATE	13/85

*See Instructions on Reverse Side

Form 3160-5 (November-1983) (Formerly 9-331) DEPARTM BUREAL	STATES IENT F THE INTER J OF LAND MANAGEME	RIOR (Other instructions verse side)	Expires August 31, 19 5. LEASE DESIGNATION AND SI 14-20-603-353	985
	CES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTER OR TO	EKAN BEIL
OIL GAS OTHER NAME OF OPERATOR	Water Injector	National and Tollows	7. UNIT AGREEMENT NAME SW-I-4192 8. FARM OR LEASE NAME	
Phillips Petroleum Com 8. ADDRESS OF OPERATOR		0 1000	Ratherford Uni 9. Wall NO. 18W43	t
P. O. Box 2920, Casper Location of Well (Report location cle See also space 17 below.) At surface 1980, FSL & 66	arly and in accordance with an	DIVISION OF OIL. GAS & IVINING	Greater Aneth 11. SPC. T. R., M., OR BLE. AM SURVEY OR ARM	D
API #43-037-16419 14. PERMIT NO.	15. ELEVATIONS (Show whether	DF, BT, GR, etc.)	Sec. 18-%41S-R	TATE
	RKB 4792	NI a (NI at a		ah
16. Check App NOTICE OF INTENT	•	Nature of Notice, Report, or	QUENT REPORT OF:	
### SHOOT OR ACIDIZE AND ACIDI	ember 30, 1985 thro 30/85. Tag fill at Set pkr at 2490'. et pkr at 341'. Ci Leak is either in Press test csg to impression block, 1100 psi pump pres h IH. WIH w/OS & g nable to repair. C Bit left in hole. n hole. Set cmt red ding sqz press. Re	(Nors: Report result Completion or Record Completion or Record and details, and give pertinent data actions and measured and true verifications and given by the verification of verification of the verification of verification of the verification of verification of the verification of verification of the verification of verification of the verificat	the of multiple completion on Wellpletion Report and Log form.) et, including estimated date of strictal depths for all markers and so call the strictal depths for all markers and so call the strictal depths for all markers and so call the strictal depths for all markers and so call the strictal depths for all markers and so call the strictal depths for all markers and so call the strictal depths for all markers and so call depths for all marker	empt to held orking 5-2" o' &
18. I hereby certify that the foregoing is to	TITLE	4-BLM, Farmington, No. 2-Utah O&G CC, SLC, 1-M. Williams, B'vill-J. Landrum, Denver 1-J. Reno, Cortez Area Manager	UT 1-Mobil Oil lle 1-Texaco, Inc.	
(This space for Federal or State office	use)			
APPROVED BY	TITLE		DATE	

*See Instructions on Reverse Side

	OF THE INTER	IOR (Other instructions on	S. LBASE	ires August 31,	
Formerly 9-331) DEPARTME BUREAU	AND MANAGEMEN		3	0-603-353	الماسعم
			6. IF IND	IAN, ALLOTTEE OR	TRIDE HAME
SUNDRY NOTICES	S AND REPORTS	DN WELLS			344
(Do not use this form for proposals to Use "APPLICATION	N FOR PERMIT—" for such	proposals.)	Nava	~	
			4	SKAN THEMSESO	
WELL GAR OTHER WA	ter Injection Wel	<u> </u>		-4192	
NAME OF OPERATOR			1	MAN SEASO NO.	
Phillips Petroleum Compan	У			erford Uni	t
. ADDRESS OF OPERATOR			9. WELL		
P.O. Box 2920, Casper, WY	82602		18W4	<u></u>	
LOCATION OF WELL (Report location clearly See also space 17 below.)	and in accordance with an	y state requirements."	1	AND POOL, OR WI	LDCAT
At surface			1	ter Aneth	
	am)		873	f., R., M., OR BLK. A VBY OR ARMA	LAD
1980' FSL & 660' FEL (NE	SE)		Soo	18-T41S-R	7 / F
1.30	. SLEVATIONS (Show whether D		1	10-1415-K	
11, 120,011	RKB 4792	F, KI, OK, EUC.)	i i		Jtah
43-037-16419	KKB 4/92		San	Juan	
6. Check Approp	priate Box To Indicate I	Nature of Notice, Report, o	or Other Date	1	
NOTICE OF INTENTION		• • •	SEQUENT REPORT		
· — ·	<u></u>				
	OR ALTER CASING	WATER SHUT-OFF	 	REPAIRING WELL	
	IPLE COMPLETE	FRACTURE TREATMENT		ALTERING CASING	'
SHOOT OR ACIDIZE ABAND		SHOOTING OR ACIDIZING		ABANDONMENT*	
	GE PLANS	(Other) (Norm: Report rec	ults of multiple	completion on W	7ell
(Other) Repair collapsed c. 7. DESCRIBE PROPOSED OR COMPLETED OPERATIO proposed work. If well is directionally	asing X	Completion or Rec			etanting and
It is proposed to repair Ratherford Unit #18W43.	The well will the	en be plugged back f	rom Zone	I & II to 2	in Zone
It is proposed to repair Ratherford Unit #18W43. I. Zone I will be acidized returned to a Zone I water	The well will the ed with 2850 gall	en be plugged back f Lons 28% HCl acid ar	rom Zone	I & II to 2	in Zone
Ratherford Unit #18W43. 'I. Zone I will be acidize	The well will the ed with 2850 gall	en be plugged back f Lons 28% HCl acid ar	rom Zone	I & II to 2	in Zone
Ratherford Unit #18W43. 'I. Zone I will be acidize	The well will the ed with 2850 gall r injection well.	en be plugged back f Lons 28% HCl acid ar	APPROV	I & II to Z 1 will be	HE STATE
Ratherford Unit #18W43. I. Zone I will be acidized returned to a Zone I water 5-BLM, Farmington, NM 2-Utah O&G CC, Salt Lake of 1-P. J. Adamson 1-M. Williams, 302 TRW 1-J. R. Reno 1-B. J. Murphy	The well will the ed with 2850 gall r injection well. City, Utah	JAN 09 1987	APPROY OF UT OIL, G. DATE: BY:	VED BY TAH DIVIS	HE STATE
Ratherford Unit #18W43. I. Zone I will be acidized returned to a Zone I water start and the start a	The well will the ed with 2850 gall r injection well. City, Utah	JAN 09 1987 DIVISION OF GAS & MINING	APPROY OF UT OIL, G. DATE: BY:	VED BY TAH DIVISAS, AND I	HE STATI

	UNITED STATES RTMENT OF THE INT REAU CONTAINS AND MANAGE		Expires Augu	ON AND SERLAL NO.
			14-20-603- 6. IF IMPLAN, ALLOT	·353
SUNDRY N	IOTICES AND REPOR	RTS ON WELLS		
(Do not use thin form for a	repeals to drill or to deepen or PLICATION FOR PERMIT—" for	ping back to a different reservoir-	Navajo	123102
ī.			7. UNIT AGREMENT	HAMB
OIL CAS OTE	Water Injection	We11	SW-I-4192	
2. MAME OF OPERATOR	mater injection	NOV 0 9 1987	TARM OR LEASE N	AME
Phillips Petroleum	Company	MOA Q a 190.	Ratherford	Init
3. ADDRESS OF OPERATOR		DIVISION OF	9. WBLL NO.	01120
P.O. Box 2920, Cas	sper, WY 82602	CEL GAS & MINIM	G 18W43	
4. LOCATION OF WELL (Report locat	ion clearly and in accordance wit	th any State requirements.	10. FIBLD AND POOL,	OR WILDCAT
See also space 17 below.) At surface			Greater Ar	eth
			11. SEC., T., B., M., OF	R BLE. AND
1980' FSL and 660'	FEL (NE SE)		008/51 02 12	-
			Sec. 18-T4	1S-R24E
14. PERMIT NO.	15. BLEVATIONS (Show when	ther DF, RT, GR. etc.)	12. COUPTY OF PARIS	BH 18. STATE
43-037-16419	4792' RKB		San Juan	Utah
16. Check	Appropriate Box To Indice	ate Nature of Notice, Report,	or Other Data	
	NTENTION TO:	•	BESQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	
PRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING	
SHOOT OB ACIDIZE	ABANDON*	SECOTING OR ACIDIZING	\ 	·
REPAIR WELL	CHANGE PLANS	(Other)		
· · · · · · · · · · · · · · · · · · ·	ollapsed Casing X	Note: Report r	esuits of multiple completion ecompletion Report and Log f	on Well
17. DESCRIBE PROPOSED OR COMPLETE: proposed work. If well is di nent to this work.) *				
on Ratherford Unit If Ratherford Unit repair the collapse	#12W44. #12W44 collapsed cas d casing in the subj #12W44 collapsed cas	contingent on the succ sing is repaired, then ject well is possible. sing is not repairable	n a fourth attempt	t to
5 - BLM, Farmington 2 - Utah O&G CC, Sa 1 - P.J. Konkel 1 - M. Williams, 30 1 - J.R. Reno 1 - B.J. Murphy 1 - File RC	lt Lake City, Utah			
8. I hereby certify that the foregoing	D.C. Gill TITLE	Area Manger	DATE 11-	-6-87
(This space for Federal or State	office use)		DEED DY THE C	TATE
APPROVED BY	TITLE _	ACCE	PTED BY THE S	05
CONDITIONS OF APPROVAL, I		OF	UTAH BITTSION	WC.
		QIL,	GAS, AND MINI	ING
Federal approval of this acti		DATE:	11-12-87	2
is r equired before commenci	MG *See Instruct	tions on Reverse Side	I D.D.	2/2
operations.		BY	The same was the same of the s	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (November 1983) (Formerly 9-331)

UNITED STATES 5 F THE INTERIOR (Other In

BUREAU OF LAND MANAGEMENT

TE*

Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

14-20-603-353 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES	AND	REPORTS	ON	WELLS
----------------	-----	----------------	----	-------

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

	Use "APPLICATION FOR PERMIT—" for such proposals.)	Navajo		
	well GAS OTHER Water Injection Well	7. UNIT AGREEMENT NAME SW - I - 4192		
2.	NAME OF OPERATOR	8. FARM OR LEASE NAME		
	Phillips Petroleum Company	Ratherford Unit		
Ι.	ADDRESS OF OPERATOR	9. WELL NO.		
	P. O. Box 1150, Cortez, CO 81321	18W43		
•	LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT		
	At surface DEC 12 1988	Greater Aneth		
	1980' FSL 600' FEL (NE SE)	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA		
	Division of			
_	OIL, GAS & MINING	Sec. 18-T41S-R24E		
4	PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR. etc.)	12. COUNTY OR PARISH 13. STATE		
	43-037-16419 4792' RKB	San Juan Utah		
_				

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOT	ICE OF 12	TENTION TO:		SUB	SEQU	ENT EMPORT OF:
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT	ļ	ALTERING CASING
SHOOT OR ACIDIZE		ABANDON*	X	SHOOTING OR ACIDIZING		ABANDONMENT*
REPAIR WELL		CHANGE PLANS		(Other)		
(Other)			1 1	Nore: Report res	ults mple	of multiple completion on Well tion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to plug and abandon the subject well. After two attempts to recomplete the well in 1977 and 1985, a third attempt was begun in March 1987 to recomplete the well as a Zone I injector. A cement retainer set at 2377' was drilled out to 2550', and a braden head squeeze was performed across the interval 2536' - 2538'. The squeeze was drilled out to 2508', with partially collapsed casing from 2489' to 2492'. The casing collapsed at 2502' - 2505', 2516', and 2532'. Voluminous amounts of shale were circulated from these intervals. Previously, the collapse was as deep as 2535'. After three unsuccessful attempts at a cost well over \$200K, it is believed that any further attempts to recomplete the well are futile. Attached please find a plug and abandonment procedure for your information.

5-BLM, Farmington, NM 2-Utah O&G CC, Salt Lake City, UT 1-P. J. Konkel, Casper 1-M. Williams, 302 TRW

1-M. L. Menghini 1-M. L. Paustian

1-Cortez Office - RC

Accepted by the State of Utah Division of Oil, Gas and Mining

Date: December 15, 1988

By: For Record Purposes only

8. I hereby cer	tify that the foregoing is	true and correct				
signed 2		/- ,	E Cortez District	Superintendema	re December 5,	19
(This space	for Federal or State office	e use)				
ADDROVED	D.W	mtmr.	TO:	TOAG	nva	

Federal Approval of this Action is Necessary

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Ratherford Unit Well 18W43 Plug and Abandonment Procedure

PBTD: 5743', parted at 2502' MTD: 5783' Elevation: 4791' RKB

Production Casing: 5-1/2", 14#, 15.5#, set at 5780'

Intermed. Casing: 8-5/8", 24#, set at 1564'
Surface Casing: 13-3/8", set at 175'

<u>Surface Casing</u>: 13-3/8", <u>Est. TOC</u>: 4265'

- 1. Test anchors, MI, RU WSU. Hold and record safety meeting.
- 2. Bleed off pressure, test for H2S. ND WH & NU 3000 # BOP.
- 3. RIH w/ bit and scraper to 2500', +-. Circulate until returns clean up.
- 4. POOH w/ bit and scraper. RIH w/ cement retainer, set at 2450'.
- 5. Test retainer, sting out to ensure that setting tool will release.
- 6. MI, RU cementers. Hold safety meeting. Test surface lines to 3500 psi.
- 7. Sting into retainer, establish water injection rate and pressure down tubing. Pressure annulus to 500 psi and maintain throughout job.
- 8. Mix and pump 650 sx Class "B" cement (yield 1.18 ft3/sk).
- 9. Attempt to establish minimal squeeze pressure in latter stages of job.
- 10. If squeeze pressure is not obtained, displace w/ 20 bbl 9.6 ppg mud and attempt to pump 100 sx more cement. If squeeze pressure is obtained, displace w/ 13.5 bbl 9.6 ppg mud. Raise tubing three joints to close retainer, spot remaining cement on retainer. Raise tubing 5 stands. NOTE: As Zone I and Zone II are in communication in this well, VERY HIGH PRIORITY is attached to obtaining a good cement squeeze across the producing formations. THIS IS AN OPERATIONAL NECESSITY!!! A good squeeze should be pursued in this well using minimal injection rates and surface pressures.
- 11. Reverse circulate w/ 65 bbl, 9.6 ppg mud to fill hole with mud.
- 12. WOC 4 hours, RIH to tag top of cement @ 2400'. POOH.
- 13. MI & RU wireline perforators. Install lubricator, GIH w/ 1 each 1' long, 4" diameter HSC gun, w/ 5 each 19 gm charges per foot.
- 14. Fire gun at 1650', 86' below casing shoe. POOH and RD perforators.
- 15. Establish circulation down 5-1/2" and up 8-5/8" casing with 9.6 ppg mud until returns clean up.
- 16. Mix and pump 460 sx Class "B" cement to create a balanced plug in 5-1/2" casing and 5-1/2"-8-5/8" annulus from 1650' to surface.
- 17. Weld 3/8" thick steel plate on 8-5/8" casing. Install a permanent monument in the wellbore as per BLM and Utah specifications and restore location.

SUNDRY NOTICES AND REPORTS ON WELLS (Do not not not form on perfectable from Principles of the process of the perfect of the	,	UNITED STATES PARTMET OF THE INTER BUREAU OF LAND MANAGEME		E' Duning Augus	
O'LL GAB GARDER SUPPLY WELLS RATHERROOD UNIT #79600419 RANGE OF CHAINSE PHILLIPS PETROLEUM COMPANY 152 N. DURBIN. 2ND FLOOR, CASPER, WYOMING 82601 PC WARD LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL (Report location dearly and in secondary with any State requirements.) LOCATION OF TALL ANY STATE AND THE STATE CASING AND TALL AND	SUNDRY (Do not use this form for	NOTICES AND REPORTS	ON WELLS		S OR TRIBE NAME
OTHER OF THE CONTROL OF THE SET OF THE CONTROL OF T		APPLICATION FOR PERMIT— IN PACE	proposition,		A W 8
PHILLIPS PETROLEIM COMPANY 3. ADDIESS OF OFFICIAL STATE AND PLOOR, CASPER, WYOMING \$25001 PCT TAKE 1. DOUBLE OF THE DESCRIPTION TO SEE ATTACHED SEE ATTACHED 1. RELYATIONS (Show whether SP, NT. M. Ed.) 1. PREMIT NO. 1. RELYATIONS (Show whether SP, NT. M. Ed.) 1. PREMIT NO. 1. RELYATIONS (Show whether SP, NT. M. Ed.) 1. PREMIT NO. 1. RELYATIONS (Show whether SP, NT. M. Ed.) 1. PREMIT NO. 1. RELYATIONS (Show whether SP, NT. M. Ed.) 1. RECALL AND CARLET AND THE SECONDARY AND SECTIONS I THINK AND SECTIONS I THINK AND SECTIONS I THINK AND SECTIONS IN THE SECONDARY AND SECTIONS IN THE SECONDARY AND SECTIONS OF PREMITOR TO: 1. RELYATION CONTROL TO: 1. RELYATION T	OIL GAB	WATER INTECTION S.	WATER SUPPLY LIFTIC		
PHILLIPS PETROLEUM COMPANY 3. ADDRESS OF OWNERS. 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMENG 82601 F77 VARIOUS (see attached) 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMENG 82601 F77 VARIOUS (see attached) 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMENG 82601 F77 VARIOUS (see attached) 153 N. DURBIN, 2ND FLOOR, CASPER, WYOMENG 82601 F77 VARIOUS (see attached) 154 Notice of will Export leating clarify and in secondary with any stage, requirement. SEE ATTACHED 155 N. DURBIN, 2ND FLOOR, CASPER, WYOMENG 82601 F77 VARIOUS (see attached) 165 NAME 2 0 1889 166 NAME 2 0 1889 166 NAME 2 0 1889 167 NAME 2 0 1889 167 NAME 2 0 1889 167 NAME 2 0 1889 168 NAME 2		WATER INJECTION &	WATER SUFFLI WELLS		
SEE ATTACHED SEE		M COMPANY		,	-
SEE ATTACHED SEE ATTACHED 16. REPARTONS (Show whether P., Pr. 18. PAS) 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Date Notice of Petranton To: Test warsh BEDNOTS FILL OR ALTER CANNO THAT COMPLETE FRACTOR THEATH WELL (Other) Control of Petranton To: Test warsh BEDNOTS FILL OR ALTER CANNO THAT COMPLETE FRACTOR THEATH WELL (Other) Control of Petranton To: Test warsh BEDNOTS FILL OR ALTER CANNO FRACTOR THEATH WELL (Other) FRACTOR THEATH WELL (Other) FRACTOR THEATH THEATH AND CONTROL THEATH AND PORT THEATH AND PORT THEATH AND THE THEATH AND				9. WELL NO.	
See at 15 space 17 below) At surface SEE ATTACHED MAR 20 1989 MAR 20 1989 TAIS - R23E 5 24E 14. FEBRUT NO. 10. BLEVARIONS (Show whether Pr. N. C.				VARIOUS (se	ee attached)
SEE ATTACHED MAR 20 1989 II. BEEN LIN W. CONTROL AND CONTROL THE CONTROL TO LAND SECTION 1 thru 30 TAIS - R23E 8 24E 14. PERMIT NO. II. BELLY LIN OR BLEV LAND SECTION 1 thru 30 TAIS - R23E 8 24E San Juan II. THE STORY TO LINE STORY THE STORY TO LINE STORY TO LINE STORY THE STORY TO LINE STORY THE STORY TO LINE STORY THE STORY TO ACTUAL THEFT ALABODY PACTURE THEFT WILL CONFIRTE ALABODY PRICTURE THEAT WILL CONFIRTE ALABODY PRICTURE THEAT SHOULD THE STORY THE STORY OF A CHANGE PLANE (Other) COMPANY THE SHOULD DESCRIPT ALABODY THE STORY THE STORY THE SHOULD DESCRIPT AND THE STORY THE STORY THE SHOULD DESCRIPT AND THE SHOULD	4. LOCATION OF WELL (Report lo	cation clearly and in accordance with a	医乳化性 医二氯甲基 医外腺性腹膜 化二氯甲基二甲基甲基二甲基甲基二甲基甲基二甲基甲基二甲基甲基二甲基甲基二甲基甲基	1	
MAR 20 1939 MAR 2	At surface			<u> </u>	
Sections 1 thru 30 T41S - R23E & 24E 14. FRENUT NO. 16. LEVATIONS (Show whether M. R. C.	SEE ATTA	CHED SIL	MAR 20 1989	SURVEY OR AREA	L
14. PERMIT NO. 15. Check Appropriate Box To Indicate Noture of Notice, Report, or Other Data NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: TEST WATER SHUT-OFF PICL OR ALTER CASING NOTICE OF INTERVION TO: NOTICE			•	1	
Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data **Notice of Internation To:	14 PERMIT NO.	15. BLEVATIONS (Show whether	DP. RT. CR. etc.)		
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PRACTURE TREAT SHUT-OFF PRACTURE TREAT SHUTIFLE CONFIRED ARRANDOS* REPAIR WELL CHANGE FLANE COURSE REPAIR WELL CHANGE FLANE CHANGE OF REPORT results of multiple completion on Well CHANGE OF Report results of multiple completion on Well Completed or Recompletion Prize and Log form.) 17. Describe Trainment dealing and the Recompletion of Completion			Cal, Cas & Menino		1
TEST WATER SHOT-OFF PRACTURE TREAT SHOOT OF ACTUBE STATEM WALL (Other) 17. DESCRIBE PROTORED ON COMPLETE OFFERENCE (Clearly state all perthent details, and give perthent date, including certified and sones perthent to this work.)* This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985. (former Operator - Phillips Oil Company) 8. I hereby certify that the pergolag is true and correct SIGNED S. H. Oden TYTLE District Superintendent TITLE DATE DATE PRACTURE TREATMENT ALPRAISMS WELL ALPRAISMS WELL ALPROVED BY ALPRING WELL ALPRAISMS CAINS ALTREMIS TREATMENT ALPRAISMS WELL ALPRAISMS CAINS ALPRAI		• • •			
PRACTURE TREAT SHOOT OR ACCIDED ARABORY CHANGE PLANE CHANGE OF OWNERSHIP (Other) (To be change plane Change of ownership Altering all markers and and plane Change plane Change plane Change plane Change of ownership Altering caling Alaborama Will Change of change of ownership Altering caling Alaborama Will Change of change of ownership Altering caling Alaborama Will Change of change of ownership Altering change Change of change of ownership Altering caling Alaborama Will Change of change of ownership Altering caling Alaborama Will Change of change of change of ownership Altering caling Alaborama Will Change of change of ownership Altering caling Alaborama Will Change of change of ownership Altering caling Altering Altering all parties and called and circuit challed a calculate and circuit challed and circuit change of	NOTICE (or intention to:	80361	QUENT REPORT OF:	
SHOOT OR ACIDIZED ARANDON* CHANGE PLANE (Other) (Other) (Other) (Nove: Report results of multiple completion on Well Completion or ecoupletion Report and Log form.) (This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985. (former Operator - Phillips Oil Company) 3 - BLM, Farmington, NM 2 - Useah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED S. H. Uden TITLE District Superintendent DATE March 17, 1989 APPROVED BY DATE DATE	TEST WATER SHUT-OFF	PCLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING 1	WELL
CHANGE PLANE OF CHANGE OF CHANGE OF CONNERSHIP (Other)		·		ALTERING C.	ABING
(Other) (Nors: Report results of multiple completion on a Wall Completion or Recompletion Report and Log forms) 17. Describe Proposed On Completing Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting amy proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.)* This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985. (former Operator - Phillips Oil Company) 3 - BLM, Farmington, NM 2 - Uteah Ook CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED - H. Uden TITLE District Superintendent DATE March 17, 1989 (This space for Federal or State office use)		1 11			KI*
17. DESCRIBE PROPOSED OR CONFLETED OFERATIONS (Clearly state all pertitional details, and give pertitional dates, including certifier date of starting any proposed work, if well is directionally drilled, give subsurface locations and measured and crue vertical depths for all markers and sones pertition to this work.)* This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985. (former Operator - Phillips Oil Company) 3 - BLM, Farmington, NM 2 - Weah O&C CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED - H. Oden Title District Superintendent DATE March 17, 1989 (This space for Federal or State office use)		CHANGE PLANS	(NOTE : Report result	ts of multiple completton	on Well
3 - BLM, Farmington, NM 2 Lutah O&C CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED	the Rati to Phili	nerford Unit, listed on lips Petroleum Company,	the attached sheet, w effective August 1, 1	ere sold	
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED	(Tormer	operator - Phillips Oil	Company)		
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED		,			
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED	<i>.</i>				
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED				•	
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED					
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED					
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED					
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED					
2 Utah O&G CC, SLC, UT 1 - File 8. I hereby certify that the foregoing is true and correct SIGNED			•		
SIGNED S. H. Oden TITLE District Superintendent DATE March 17, 1989 (This space for Federal or State office use) APPROVED BY			2 5	Utah O&G CC, SL	•
SIGNED S. H. Oden TITLE District Superintendent DATE March 17, 1989 (This space for Federal or State office use) APPROVED BY	0 V L				
(This space for Federal or State office use) APPROVED BY	SIGNED		istrict Superintenden	DATE March	17, 1989
APPROVED BY DATE		ate office use)			
		•			
				DATE	

*See Instructions on Reverse Side

orm 3160-5	UNITED STATES	OR verse side)	Budget Bureau No. 1004-0135 Expires August 31, 1985
November 1983) DEPARTA	MEN' F THE INTER	OR time state)	8. LEASE DESIGNATION AND SERVAL NO. 14-20-603-653
BUREA	U OF LAND MANAGEMEN		6. IF INDIAN, ALLOTTEE OR TRIDE HAME
SUNDRY NOT	ICES AND REPORTS (ON WELLS	Navajo
AM 101 man			T. UNIT AGREEMBNY NAME
OIL OTES	Water Injector	FEB 05 1990	SW-I-4192 8. PARM OR LEASE NAME
NAME OF OPERATOR		, ED 0 0 1000	Ratherford Unit
Phillips Petroleum Com	pany	DIFFERENCE UP	9. WELL 30.
•	. Colorado 81321	OIL, GAS & MINING	18W43
P. O. Box 1150, Cortez LOCATION OF WELL (Report location of the also space 17 below.)	learly and in accordance with any	State requirements.	
At surface			Greater Aneth 11. sBC, T, B, M, OR BLE. AND SURVEY OR AREA
1980' FSL & 660' FEL,	NL DL	RECTED REPORT	. SORAN OF TENT
	Well	Number Only	Sec. 18-T41S-R24E
4. PERMIT NO.	16. BLEVATIONS (Show whether b	r, 27, GR, etc.)	12. COUPTY OR PARISE 18. STATS
API #43-037-16419	4792' RKB		San Juan Utah
e. Check A	ppropriate Box To Indicate I	Nature of Notice, Report, or	Other Data
NOTICE OF INTE		1	QUENT REPORT OF:
	PCLL OR ALTER CASING	WATER SHUT-OFF	BEFAIRING WELL
PRACTURE TREAT	MATZISTS COMSITS	PRACTURE TREATMENT	ALTERING CARING X
PRACTURE TREAT	ABANDON®	SECOTING OR ACIDITING	ADANDOHMENT*
ARPAIR WELL	CHARGE PLANS	(Other)	ts of multiple completion on Well
(Other)		nt details, and give pertinent date	spletton Report and Log form.) A including estimated date of starting any ical depths for all markers and some perti-
January 11, 1990 Thru	January 15, 1990		
and bit and dug out co plug w/additives. Pu and tagged cmt at 1788 gram charges in HSC gr	rc out drlg mud. Cou ellar. GIH w/tbg to lled tbg to 1657' and 8'. COOH w/tbg. RU un. Est circ down 5 lug. Circ 5 bbls slu anent marker and res	2495'. Mixed and pm d COOH w/remaining the perforators and perf -1/2" and up 8-5/8" of the court	LOUIL W/ COA3 COA COA
	_		A STATE OF THE STA
	ſ	UIÇ	DAM DAM
Distribution: 5 - BLM, Farmington	1 - Mobil Oil	GLH V	SEAS COLON
2 - Utah O&GCC	1 - Texaco, Inc.	DJJ	mis are
1 - N. Anstine	1 - Chevron, USA	BGH	2. TAG
1 - V. S. Shaw	1 - Cortez Office	- VVIIII VIIII	0 110
1 - S. H. Oden 1 - E. D. Hasely	1 - Houston Office 1 - Chieftain	MICKOT ILM	and price are considerable from the constraint of the constraint o
1 - P. J. Konkel		FILE	
18. I hereby certify that the foregoing	is true and correct		3- MICROFILM /
BIGNED	TITLE	District Superintend	
S. H. Oden (This space for Federal or State of	Ace see)		· ·
	TITLE		DATS
CONDITIONS OF APPROVAL, IF			

*See Instructions on Reverse Side (_

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

Page_1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

AUG 1 6 1993

P J KONKEL PHILLIPS PETROLEUM COMPANY 5525 HWY 64 NBU 3004

FARMINGTON NM 87401

REPORT PERIOD (MONTH/YEAR)

ACCOUNT NUMBER:

DIVISION OF

OIL, GAS & MININGMENDED REPORT (Highlight Changes)

Well Name	Producing	Well	Days		Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23 4303713754 06280 41\$ 24E 21	DSCR	POW	29	1374	883	58
#3-44 4303715031 06280 41S 24E 3	DSCR	POW	30	111	94	2905
#3-14 4303715124 06280 415 24E 3	DSCR	POW	30	67	23	302
#9-12 4303715126 06280 418 24E 9	DSCR	POW	30	112	654	17363
#9-14 4303715127 06280 415 24E 9	DSCR	POW	30	201	315	423
#28-12 4303715336 06280 41S 24E 28	PRDX	POW	29	112	4 7	2428
#29-12 4303715337 06280 41S 24E 29	PRDX	POW	29	56	0	672
#29-32 4303715339 06280 41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34 4303715340 06280 41S 24E 29	DSCR	Pow	29	757	48	0
#30-32 4303715342 06280 418 24E 30	DSCR	POW	29	588	1049	3744
#3-12 4303715620 06280 41S 24E 3	DSCR	POW	30	268	11	363
#9-34 4303715711 06280 418 24E 9	DSCR	POW	30	45	46	9800
#10-12 4303715712 06280 415 24E 10	DSCR	POW	30	45	23	1088
			TOTALS	5138	3480	41370

Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the COMMENTS:

Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box

633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

PAT KONKEL Name and Signature:_

- Konkel

Telephone Number: 505 599-3452

FÖRM 11

STATE OF UTAH /ISION OF OIL, GAS AND MINING

Dogo	ء ا	. 1
Page	of	

		1							
		MON	THLY O	OIL AND	GAS DI	SPOSITIO	N REPOR	Γ	
	OPER TOR	NAME AND	ADDRESS:					N7	370
		sheft	TIELD			UTAH	ACCOUNT NUMBE	ER:	<u> </u>
	BR-I-A1	I -BERRY	10811				(1.40\FT	11 (VE + D)	7 / 93
	P 0B 1	219031 18	307A RENTWE	7.0.DrA	WER G , Co. 81=	REPOR	RT PERIOD (MONT	H/YEARJ:	
	DALLA	IS TX 75	5221-9031	CORTEZ	r, Co. 81=	メ スノ AMEN	DED REPORT		
,		· · · · · · · · · · · · · · · · · · ·	X	93100le uj	rdated. Lee				
ENTITY	PRODUCT	GRAVITY	BEGINNING	VOLUME		DISPOSIT	ions		ENDING
NUMBER		вти	INVENTORY	PRODUCED	TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	INVENTORY
	OIL			177609	177609	0			
05980	GAS				66216	5885			
	OIL								
11174	GAS								
	OIL								
	GAS								
	OIL								
	GAS						Will.	SEIIA	
	OIL			·			Ju.	En 1 3 10	
	GAS							EP 1 3 19	
	OIL							IVISION (
	GAS								
	OIL								
	GAS								
		TOTALS	1	249710	243825	5885			
COMMENT	s: Lens	E NOTE	- Aana	ess ch	ANGC	Josin A	Portez, Co	etion.	REPORTS
/	VIII-be	Com	DILED ,	tNDS	nt from	nthe C	Portez, C	n. Office	ce
I hereby co	N THE	report is true	rc. e and complete t	to the best of m	ıy knowledge.		Date:		
Name and	Signature:	Trwell	LB Ah	ffield	1		Telephone	Number+244	3. 86 52217

STATE OF UTAH DIVISION OF OIL. GAS AND MINING

	A LEASE BESICK	FIGN / SEPINI N
	S. LEASE DESIGNA	HON & SERIAL A
WELLS	6. IF INDIAN. ALLO	TTEE OR TRIBE
o a different reservoir.	NAVAJO TRIE	AL
pposals.)	7. UNIT AGREEMEN	
4 44 15 14 14 1	RATHERFORD	TMTT
d Colstant C	S. FARM OR LEASE	
	7,11	
SEP 1 5 1993	9. WELL NO.	
entr OCI 10 1330	10. FIELD AND POO	L, OR WILDCAT
DIVISION OF	GREATER A	
IL. GAS & MINING	11. SEC., T., R., M., C SURVEY O	
comb orne ages on gares appear		
, GR, etc.)	12. COUNTY	13. STATE
	SAN JUAN	UTAH
e of Notice, Report or (Other Data	
· · ·	EQUENT REPORT OF:	
WATER SHUT-OFF	REPAIR	NG WELL
FRACTURE TREATMENT		NG CASING
SHOOTING OR ACIDIZING		*TN3MN
(Other) CHANGE C	OPERATOR	
	completion Report and	
DATE OF COMPLETION		·
S THE OPERATOR C	mpanied by a cement	
		TECHNICIAN DATE 9

Sept 29, 1993

To: Lisha Cordova-Utah Mining Oil & Gasice Easley BLM Farmington, NM 505 599-6355

Here is copy of Ratherford Unit Successor aprotor.

4 pages including this one.

file rathinged Unit (GC)

PECEIVED BLM

Navajo Area Office P. O. Box 1060 Gallup, New Mexico 87305-1060 - 21 原用:41

070 FREMERICA ON, NM

ALL SUPY. -

ARES/543

לצפו ני א בונון.

Mr. G. D. Cox Mobil Exploration and Producing North America, Inc. P. O. Box 633 Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF INDIAN AFFAIRS

BECEIVED BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702

Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number <u>05202782</u> (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

June 17, 1993

Phillips Petroleum Company

Mobil Exploration and Producing

North America Inc.

June // , 1993

: 15 V Martiny

Attorney-in-Pact B.D. MARTIN

The Bloom

ACTING AREA DIRECTOR

DATE

APPROVED BY

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992) SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

Tract Number	Description of Land	Serial Number and Effective Date of Lease	Tract Percentage Participation
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-5, R-23-E, S.L.H. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
. 2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March J, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	. 4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.H., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-5, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-5, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-5, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13 -	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26,1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	. \$750254
17	NE/4 Sec. 3, T-41-5, R-24-E San Juan County, Utah	14-20-0603-650S July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-5, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
. 19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S. R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

[]	Well FileRng(API No.)	(Return Date) (To - Initials)	YKY Other OPERATOR CHANGE
1.	Date of Phone Call:10-6-93	: Time: _9:3	0
2.	DOGM Employee (name)L. Talked to: NameGLEN COX of (Company/Organization)l	_ (Initiated Call []) - Ph	
3.	Topic of Conversation: OPERATOR (NEED TO CONFIRM HOW OPERATOR WAR	ANTS THE WELLS SET UP - M	EPNA AS PEREBIA APPROVAL
4.	Highlights of Conversation: MR. COX CONFIRMED THAT THE WELLS PER BIA APPROVAL, ALSO CONFIRMED BE HANDLED OUT OF THEIR CORTEZ (MEPNA- PO DRAWER G CORTEZ, CO 81321 (303)565-2212 *ADDRESS CHANGE AFFECTS ALL WELLS REPORTED OUT OF DALLAS (MCELMO (S SHOULD BE SET UNDER ACC D THAT PRODUCTION & DISPO DEFICE RATHER THAN DALLAS LS CURRENTLY OPERATORED B	OUNT N7370/MEPNA AS SITION REPORTS WILL NOW

Division of Oil, Gas and Mining OPERATOR CHANGE HORKSHEET Attach all documentation received by the division regarding this change in the standard of the standard item when completed. Write N/A if item is not approximately	plicable. 3-VLC 4-RJEV
XXX Change of Operator (well sold) ☐ Designation ☐ Designation of Operator ☐ Operator Na	of Agent me Change Only 6-PV
The operator of the well(s) listed below has changed (E	FFECTIVE DATE: <u>7-1-93</u>
TO (new operator) MEPNA FROM (for (address) PO DRAWER G CORTEZ, CO 81321 GLEN COX (915)688-2114 phone (303)565-2212 account no. N7370	rmer operator) PHILLIPS PETROLEUM COMPANY (address) 5525 HWY 64 NBU 3004 FARMINGTON, NM 87401 PAT KONKEL phone (505) 599-3452 account no. N0772(A)
<pre>Hell(s) (attach additional page if needed): *RATHERFORD UN</pre>	II (NAVAJO)
Name: **SEE ATTACHED** API: 43039/64/9 Entity: Name: API: Entity:	SecTwpRng Lease Type: SecTwpRng Lease Type: SecTwpRng Lease Type: SecTwpRng Lease Type:
Lec 1. (Rule R615-8-10) Sundry or other <u>legal</u> docume operator (Attach to this form). (feq. 8-20-93) (6/93 from the sundry or other <u>legal</u> documenta (Attach to this form). (feq. 8-31-93) (fee'd 9-14-93)	od. Rpt. 8-16-93)
3. The Department of Commerce has been contacted if operating any wells in Utah. Is company regist yes, show company file number:	the new operator above is not currently tered with the state? (yes/no) If
Lec 4. (For Indian and Federal Wells ONLY) The BLM has (attach Telephone Documentation Form to this comments section of this form. Management revenues should take place prior to completion of	report). Make note of BLM status in iew of Federal and Indian well operator
1 S. Changes have been entered in the Oil and Gas Inf listed above. (016 wells 10-6-93) (wiw's 10-26-93)	formation System (Wang/IBM) for each well
Lec 6. Cardex file has been updated for each well listed	d above. (086 wells 10-6-93) (wiw's 10-26-93)
7. Well file labels have been updated for each well	listed above. (0 & 6 wells 10-6-93) (w/w/s 10-26-93)
8. Changes have been included on the monthly "Oper for distribution to State Lands and the Tax Comm	ator, Address, and Account Changes" memo
fee 9. A folder has been set up for the Operator Change placed there for reference during routing and pro	e file, and a copy of this page has been ocessing of the original documents.

PERATOR	CHANGE WORKSHEET (CONTINUED) Initral each item when completed. Write N/A rf item is not applicable.
NTITY	REVIEH
<u>Le</u> 1.	(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
N/A 2.	State Lands and the Tax Commission have been notified through normal procedures of entity changes.
30ND VI	ERIFICATION (Fee wells only)
ria	(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operators' bond files.
3.	The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19
LEASE	INTEREST OHNER NOTIFICATION RESPONSIBILITY
1/0-1.	(Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
M/ 2.	Copies of documents have been sent to State Lands for changes involving State leases.
FILMIN	
	All attachments to this form have been microfilmed. Date:
FILING	
<u>fec</u> 1.	Copies of all attachments to this form have been filed in each well file.
<u>Le</u> 2.	The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
COMMENT	rs
931	cole BIA/Blm Approved 7-9-93.
E71/34	1–35

_		
#	PA	1

12W-44	43-037-16405	14 20 602 2464	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
		14-20-603-246A		0
	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FEL; 772 FSL
	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL
u 13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL
	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL
	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL
13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL
	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL
	43-037-31129	14-20-603-247A	SEC. 13, T415, R23E	NE/SW 1980 FSL; 1930 FWL
13W-44	43 037 15853	14-20-603-247	SEC. 13, T415, R23E	600 FSL; 3300 FEL
ս13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL
413W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL
13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL
13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL
	43-03715857	14-20-603-247A		SE/NE 2139; 585 FEL
13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL
	43-037-31131	14-20-603-247A	SEC. 13, T415, R23E	SE/SE 635 FSL; 659 FEL
	 			
14 03	NA	14 20 603 4037		SW/SW-660 FSL; 660 FEL
14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL
14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL
14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL
	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL
14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL
15-12	43-037-15035 43-037-1571 <i>5</i>	14-20-603-355	SEC. 15, T415, R24E	1820 FNL; 500 FWL
				660 FNL; 1820 FWL
	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	
15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL
15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL
15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL
15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL
u 15-42	43-037-30448	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL
	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL
	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL
	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL
1	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL
116W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL
16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL
16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL
16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL
	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL
	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL
	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL
	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL
		14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL
	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL
V 17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL
	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL
17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL
17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL
17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL
17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL
ν 17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL
17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL
17-44	43-037-/5732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL
17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL
18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL
18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL
18W-21	43-037-31103	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL
# - -			SEC. 18, T415, R24E	SW/NW 2200' FNL; 2210' FWL
18-22	43-037-31236	14-20-603-353		
18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL
18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL
18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL
18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL
18W-32	43-037-15736	14-20-603-353	SEC. 18, T413, R24E	SW/NE 2140' FNL; 1830' FEL
18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL
18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL
			SEC. 18, T415, R24E	NE/NE 660' FNL; 660' FEL
18W-41	43-037-15738	14-20-603-353		
18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL
18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL
18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL
19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL
19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL
19-14	43-037-15740	14-20-603-353		600' FSL; 660' FEL
M_10-14	1			

PAId